

LAB Group Work Flashlight Energy**Question** What types of energy are found in a flashlight?**Procedure**

1. Take the batteries out of the flashlight. Talk with your group about how the batteries are used by the flashlight. What type of energy do you think is stored in the batteries?

Materials

- flashlight with batteries

2. Place the batteries in the flashlight and turn it on. Observe what happens. Then write what type of energy you observe.

Safety Note: Do not shine the flashlight in anyone's eyes.

3. Leave the flashlight on. After 5 minutes, put your hand near the bulb of the flashlight. Discuss your observations with your group. Then, (a) write what type of energy you observe, and (b) explain how you know what type of energy it is.

- a. _____
- b. _____

4. Turn off the flashlight. Talk about your observations with your group.

Analysis

1. When the flashlight is turned off and stored in a drawer, does it have potential energy or kinetic energy? Explain your **conclusion**.
2. Do other light sources give off the same types of energy as a flashlight? Give an example.